SEQUENCE LISTING

```
<110> Sukhatme, Vikas P.
      <120> Anti-Angiogenic Peptides and Methods of
            Use Thereof
      <130> 1440.1023-011
      <150> PCT/US98/26057
      <151> 1998-12-08
      <150> 60/108,536
      <151> 1998-11-16
      <150> 60/082,663
      <151> 1998-04-22
      <150> 60/067,888
      <151> 1997-12-08
      <160> 23
      <170> FastSEQ for Windows Version 3.0
      <210> 1
      <211> 555
      <212> DNA
      <213> Mus musculus
      <220>
      <221> misc feature
      <222> (1)...(525)
      <223> protein EM1
      <221> misc feature
      <222> (1)...(501)
      <223> protein EM2
      <400> 1
catactcatc aggactttca gccagtgctc cacctggtgg cactgaacac cccctgtct 60
ggaggcatgc gtggtatccg tggagcagat ttccagtgct tccagcaagc ccgagccgtg 120
gggctgtcgg gcaccttccg ggctttcctg tcctctaggc tgcaggatct ctatagcatc 180
gtgcgccgtg ctgaccgggg gtctgtgccc atcgtcaacc tgaaggacga ggtgctatct 240
cccaqctqqq actccctqtt ttctggctcc cagggtcaac tgcaacccgg ggcccgcatc 300
ttttcttttg acggcagaga tgtcctgaga cacccagcct ggccgcagaa gagcgtatgg 360
cacggetegg acceeagtgg geggaggetg atggagagtt actgtgagac atggegaact 420
gaaactactg gggctacagg tcaggcctcc tccctgctgt caggcaggct cctggaacag 480
aaagctgcga gctgccacaa cagctacatc gtcctgtgca ttgagaatag cttcatgacc 540
tcttctcca aatag
      <210> 2
```

<211> 184 <212> PRT

<213> Mus musculus

(213)		nus	masc	-u1-u	•											
	<4	100>	2													
His 1	Thr	His	Gln	Asp 5	Phe	Gln	Pro	Val	Leu 10	His	Leu	Val	Ala	Leu 15	Asn	
Thr	Pro	Leu	Ser 20	Gly	Gly	Met	Arg	Gly 25	Ile	Arg	Gly	Ala	Asp 30	Phe	Gln	
Cys	Phe	Gln 35	Gln	Ala	Arg	Ala	Val 40	Gly	Leu	Ser	Gly	Thr 45	Phe	Arg	Ala	
Phe	Leu 50	Ser	Ser	Arg	Leu	Gln 55	Asp	Leu	Tyr	Ser	Ile 60	Val	Arg	Arg	Ala	
Asp 65	Arg	Gly	Ser	Val	Pro 70	Ile	Val	Asn	Leu	Lys 75	Asp	Glu	Val	Leu	Ser 80	
Pro	Ser	Trp	Asp	Ser 85	Leu	Phe	Ser	Gly	Ser 90	Gln	Gly	Gln	Leu	Gln 95	Pro	
Gly	Ala	Arg	Ile 100	Phe	Ser	Phe	Asp	Gly 105	Arg	Asp	Val	Leu	Arg 110	His	Pro	
Ala	Trp	Pro 115		Lys	Ser	Val	Trp 120	His	Gly	Ser	Asp	Pro 125	Ser	Gly	Arg	
Arg	Leu 130		Glu	Ser	Tyr	Cys 135	Glu	Thr	Trp	Arg	Thr 140	Glu	Thr	Thr	Gly	
Ala 145		Gly	Gln	Ala	Ser 150	Ser	Leu	Leu	Ser	Gly 155	Arg	Leu	Leu	Glu	Gln 160	
	Ala	Ala	Ser	Cys 165	His	Asn	Ser	Tyr	Ile 170	Val	Leu	Cys	Ile	Glu 175	Asn	
Ser	Phe	Met	Thr 180	Ser	Phe	Ser	Lys									
		210>														
		211> 212>														
				ific	ial	Sequ	ence									
	<220>															
	<223> Oligonucleotide															
	<	400>	3													
									26							
	<	210>	4													
<211> 26																
<212> DNA																
<213> Artificial Sequence																
<220>																
<223> Oligonucleotide																
<400> 4																
aactcgagct atttggagaa agaggt 2								26								
	<	210>	5													

<211> 24

<212> PRT

<213> Artificial Sequence

```
<220>
      <223> Leader peptide on protein produced by prokaryotic
            expression system pET17b, mouse endostatin begins
            immediately after.
      <400> 5
Met Gly His His His His His His His His His Ser Ser Gly His
Ile Asp Asp Asp Lys His Met
            20
      <210> 6
      <211> 28
      <212> DNA
      <213> Artificial Sequence
      <220>
      <223> Oligonucleotide
      <400> 6
                                                                   28
aagcggccgc ctatttggag aaagaggt
      <210> 7
      <211> 21
      <212> PRT
      <213> Artificial Sequence
      <220>
      <223> Leader peptide on protein produced by prokaryotic
            expression system pET28a, mouse endostatin begins
            immediately after.
      <400> 7
Met Gly Ser Ser His His His His His Ser Ser Gly Leu Val Pro
                                    10
                 5
Arg Gly Ser His Met
            20
      <210> 8
      <211> 33
      <212> DNA
      <213> Artificial Sequence
      <220>
      <223> Oligonucleotide
      <400> 8
                                                                   33
ttccatatgc atactcatca ggactttcag cca
      <210> 9
      <211> 35
      <212> DNA
      <213> Artificial Sequence
```

<220> <223> (Oligonucleotide	
<400> 9	9	
ttagcggccg co	ctactcaat gcacaggacg atgta	35
<210> 1	10	
<211> 3	38	
<212> I	DNA	
<213> A	Artificial Sequence	
<220>		
<223> 0	Oligonucleotide	
<400>		20
ttagcggccg co	ctagttgtg gcagctcgca gctttctg	38
<210>		
<211> 3	26	
<212> 1		
<213> 7	Artificial Sequence	
<220>		
<223> 0	Oligonucleotide	
<400>	11	
gggaattcca ta	actcatcag gacttt	26
<210>	12	
<211>	32	
<212> 1	DNA	
<213>	Artificial Sequence	
<220>	•	
<223>	Oligonucleotide	
<400>	12	
aagaattcca t	catcatcat catcacagca gc	32
<210>	13	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Leader peptide on protein produced by eukaryotic	
	yeast expression system pPICZaA, mouse endostatin protein begins immediately after.	
<400>	13	
	Gly His His His His His His His His His Ser Ser	
1 Cly Wie Tle	5 10 15 Asp Asp Asp Lys His Met	
	Asp Asp Asp Dys IIIs Mcc	

210. 14	
<210> 14 <211> 44	
<211> 44 <212> DNA	
<213> Artificial Sequence	
<220>	
<223> Oligonucleotide	
<400> 14	
tttgaattcg cccacagcca ccgcgacttc cagccggtgc tcc	a 44
titigaatiteg cocacagooa oogogaoooo oogoga	
<210> 15	
<211> 44	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Oligonucleotide	
- · · •	
<400> 15	aa 44
aaaagcggcc gcctacttgg aggcagtcat gaagctgttc tca	aa 44
<210> 16	
<211> 48	
<211> 40 <212> DNA	
<213> Artificial Sequence	
•	
<220>	
<223> Oligonucleotide	
<400> 16	
ttttttgaat tcatttcaag tgccaattat gagaagcctg ct	ctgcattt g 51
<210> 17	
<211> 50	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Oligonucleotide	
<400> 17	ttttcgat. 50
aagaatgcgg ccgcttactt cctagcgtct gtcatgaaac tg	ttttcgat
<210> 18	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Oligonucleotide	
<400> 18	
aattccatca ccatcaccat cacg	24
——————————————————————————————————————	

```
<210> 19
      <211> 24
      <212> DNA
      <213> Artificial Sequence
      <220>
      <223> Oligonucleotide
      <400> 19
                                                                   24
aattcgtgat ggtgatggtg atgg
      <210> 20
      <211> 8
      <212> PRT
      <213> Artificial Sequence
      <220>
      <223> Leader peptide on protein produced by eukaryotic
            yeast expression system pPICZaA, mouse endostatin
            protein begins immediately after.
      <400> 20
Glu Phe His His His His His
                 5
      <210> 21
      <211> 42
      <212> DNA
      <213> Artificial Sequence
      <220>
      <223> Oligonucleotide
      <400> 21
                                                                    42
ttccatatga tatactcctt tgatggtcga gacataatga ca
      <210> 22
      <211> 47
      <212> DNA
      <213> Artificial Sequence
      <220>
      <223> Oligonucleotide
aatgcggccg cttacttcct agcgtctgtc atgaaactgt tttcgat
                                                                    47
      <210> 23
      <211> 23
      <212> PRT
      <213> Artificial Sequence
      <220>
      <223> Leader peptide on protein produced by eukaryotic
            yeast expression system pPICZaA, apomigren protein
            begins immediately after.
```

7/7

<400> 23 Glu Phe Met Gly Ser Ser His His His His His Ser Ser Gly Leu

1 5 10 15 Val Pro Arg Gly Ser His Met 20